WHAT IS CLAIMED IS:

1. Waterproof shoe structure with an exterior upper, an interior upper comprising a waterproof, water vapor permeable functional layer arranged adjacent to the exterior upper and a lining facing the shoe interior, an insole and an outsole, wherein the interior upper has a lower end region that substantially extends beyond a lower end of the exterior upper, and is joined to the exterior upper and to the insole, wherein the lower end region of the interior upper that extends beyond the exterior upper is folded outwards in such a way that the functional layer in the entire end region is turned back on itself, and the interior upper has a lower edge arising from this folding, that the free end of the outwardly folded interior upper is joined to the exterior upper, and that the lower edge of the interior upper is joined to the insole.

2. The waterproof shoe structure according to Claim 1, wherein portions of the functional layer that are arranged opposite each other in the end region where the functional layer is turned back on itself are glued to each other in a waterproof manner.

3. The waterproof shoe structure according to Claim 1, wherein the lining has been removed in the outwardly folded end region of the interior upper.

4. The waterproof shoe structure according to Claim 1, wherein the shoe structure further has a porous strip with two long sides that is placed along the lower edge of the interior upper and is joined via one long side to the lower edge of the interior upper, and via the other to the insole.

5. The waterproof shoe structure according to Claim 4, wherein the porous strip is joined by a seam to the lower edge of the interior upper and/or to the insole.

6. The waterproof shoe structure according to Claim 4, wherein the porous strip has a structure of a net.

7. The waterproof shoe structure according to Claim 1, wherein the lower edge of the interior upper is joined by a seam to the insole.

8. The waterproof shoe structure according to Claim 7, wherein the insole has openings, at least in the peripheral region.

9. The waterproof shoe structure according to Claim 7, wherein the insole is porous, at least in the peripheral region.

10. The waterproof shoe structure according to Claim 8, wherein the insole has a structure of a net, at least in the peripheral region.

11. The waterproof shoe structure according to Claim 1, wherein the free end of the outwardly folded interior upper is sewed via a seam to the exterior upper.

12. The waterproof shoe structure according to Claim 1, wherein the shoe structure further has a porous strip with two long sides, the strip being placed alongside the free end of the outwardly folded interior upper, joined via one long side to the interior upper, and joined via the other long side to the exterior upper.

13. The waterproof shoe structure according to Claim 12, wherein the porous strip is sewed to the free end of the outwardly folded interior upper and/or to the exterior upper via a seam.

14. The waterproof shoe structure according to Claim 12, wherein the porous strip has a structure of a net.

15. The waterproof shoe structure according to Claim 1, wherein the outsole is injection molded.